


Mouse IL-21 protein

Cat #: PRP100372

Size: 20µg/100µg/1mg

Product Information

	Product Name: Mouse IL-21 protein		
REF	Catalog Number: PRP100372	LOT	Lot Number: Refer to product label
	Purity: > 97 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E. coli
	Shipping: The product is shipped at ambient temperature.		

Background: IL21 belongs to the IL-15/IL-21 family. It is a cytokine with immunoregulatory activity. Cytokines are proteinaceous signaling compounds that are major mediators of the immune response. They control many different cellular functions including proliferation, differentiation and cell survival/apoptosis but are also involved in several pathophysiological processes including viral infections and autoimmune diseases. Cytokines are synthesized under various stimuli by a variety of cells of both the innate (monocytes, macrophages, dendritic cells) and adaptive (T- and B-cells) immune systems. IL21 is expressed in activated CD4-positive T-cells but not in CD8-positive T-cells, B-cells, or monocytes. It may promote the transition between innate and adaptive immunity. IL-21 has been tried as therapy for alleviating allergic responses. It can significantly decrease pro-inflammatory cytokines produced by T cells in addition to decreasing IgE levels in a mouse model for rhinitis (nasal passage inflammation)

Sequence: Amino acid sequence derived from soluble form of mouse IL21 (Q9ES17) (Pro 25-Ser 146) was expressed, with an initial Met at the C-terminus.

Protein length: The recombinant mouse IL21 consists of 123 amino acids and has a calculated molecular mass of 14.3KDa. It migrates as a 15 kDa band in SDS-PAGE under reducing conditions.

Formulation: Lyophilized from sterile PBS, pH 7.5.

Storage Instructions: Lyophilized Mouse IL21 protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Mouse IL21 protein in sterile ddH₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

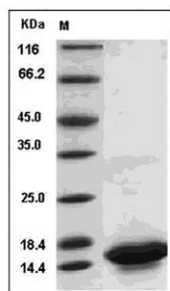


Fig. SDS-PAGE analysis of Mouse IL-21 protein.

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